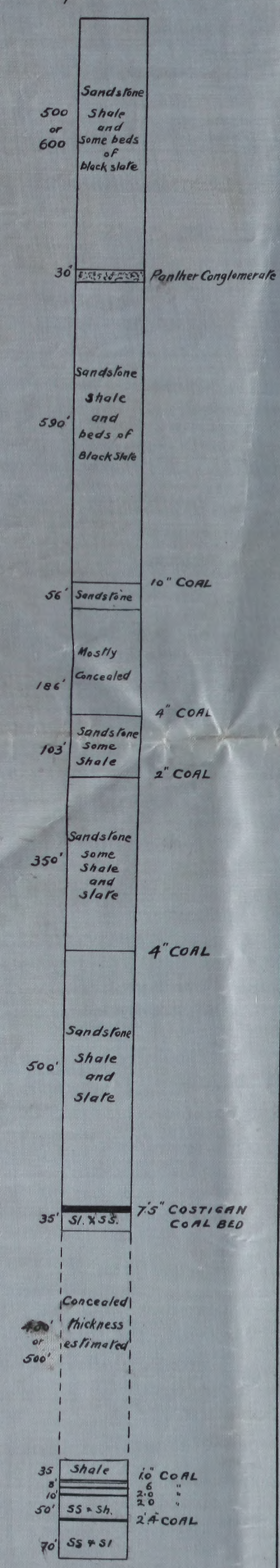
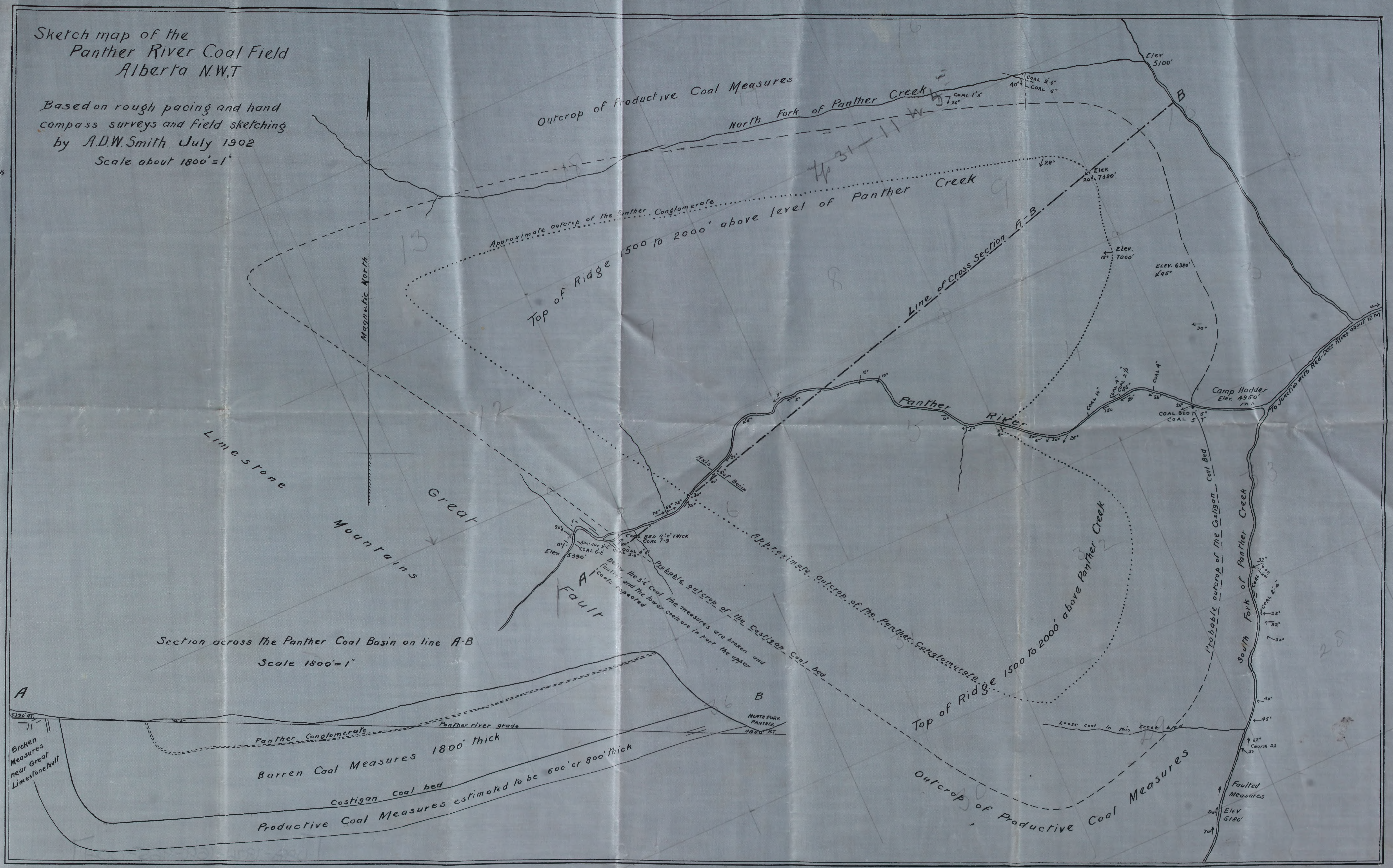
Columnar Section
exposed on Panther River



Total Thickness 3000'
Scale 250' = 1"

Sketch map of the
Panther River Coal Field
Alberta N.W.T

Based on rough pacing and hand
compass surveys and field sketching
by A.D.W. Smith July 1902
Scale about 1800' = 1"

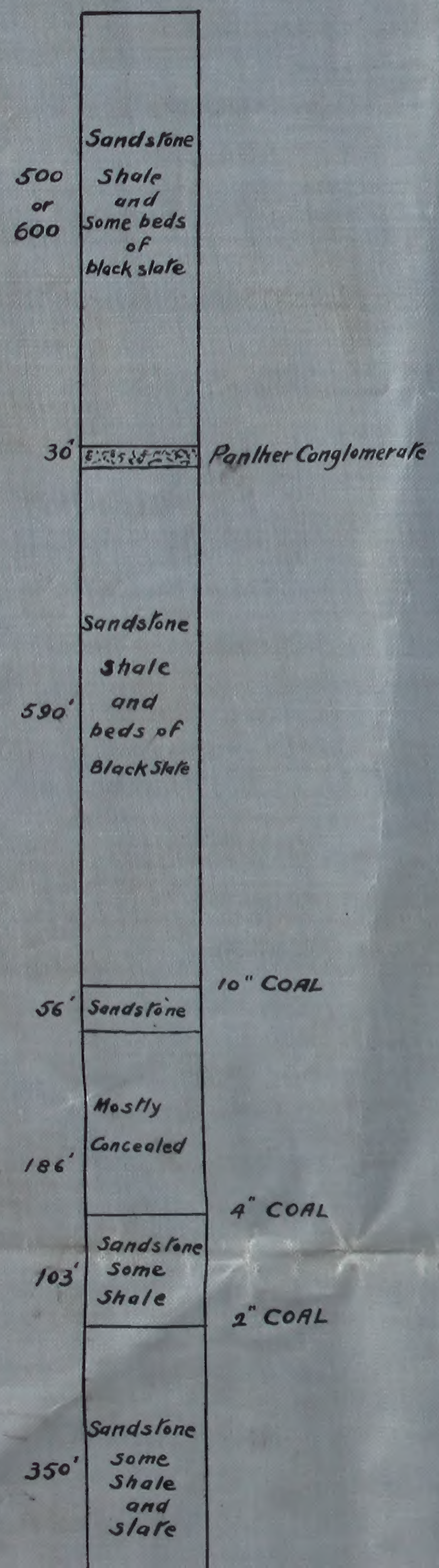


Magnetic North
Outcrop of Productive Coal Measures
North Fork of Panther Creek
COAL 1'-3"
26°
40°
COAL 2'-6"
COAL 6"
Elev 5100'
B
Approximate outcrop of the Panther Conglomerate
Top of Ridge 1500 to 2000' above level of Panther Creek
28°
Elev. 7320'
20°
Elev. 7000'
15°
ELEV. 6380'
45°
30°
Line of Cross Section A-B
Limestone
Great
Mountains
Fault
A
Axis of Basin
90°
0°
Elev. 5390'
Coal dirt 9'-0"
COAL 6'-8"
COAL 3'-6"
COAL 4'-6"
COAL BED 11'-0" THICK
COAL 7-9
80°
75°
65°
75°
75°
30°
Below the 3'-6" Coal the measures are broken and faulted and the lower coals are in part the upper coals repeated
Probable outcrop of the Costigan Coal bed
Approximate outcrop of the Panther Conglomerate
Panther River
10°
5°
8°
20°
20°
25°
COAL 10"
150
COAL 4"
COAL 2 1/2"
45°
20°
COAL 4"
26°
26°
COAL BED 7' 5"
COAL 5' 7"
Camp Hodder
Elev. 4950'
To Junction with Red-Deer River about 12 M
Top of Ridge 1500 to 2000' above Panther Creek
Probable outcrop of the Costigan Coal Bed
South Fork of Panther Creek
32°
COAL 1'-0" 2'-0" 2'-0"
COAL 2'-4"
28°
32°
30°
40°
45°
Loose Coal in this Creek bed
62°
Coarse S.S.
50
Faulted Measures
90°
Elev 5180'
70°
Outcrop of Productive Coal Measures

Section across the Panther Coal Basin on line A-B
Scale 1800' = 1"

A
B
5390' A.T.
Broken Measures near Great Limestone fault
Panther Conglomerate
Panther river grade
NORTH FORK PANTHER
4950' A.T.
Barren Coal Measures 1800' thick
Costigan Coal bed
Productive Coal Measures estimated to be 600' or 800' thick

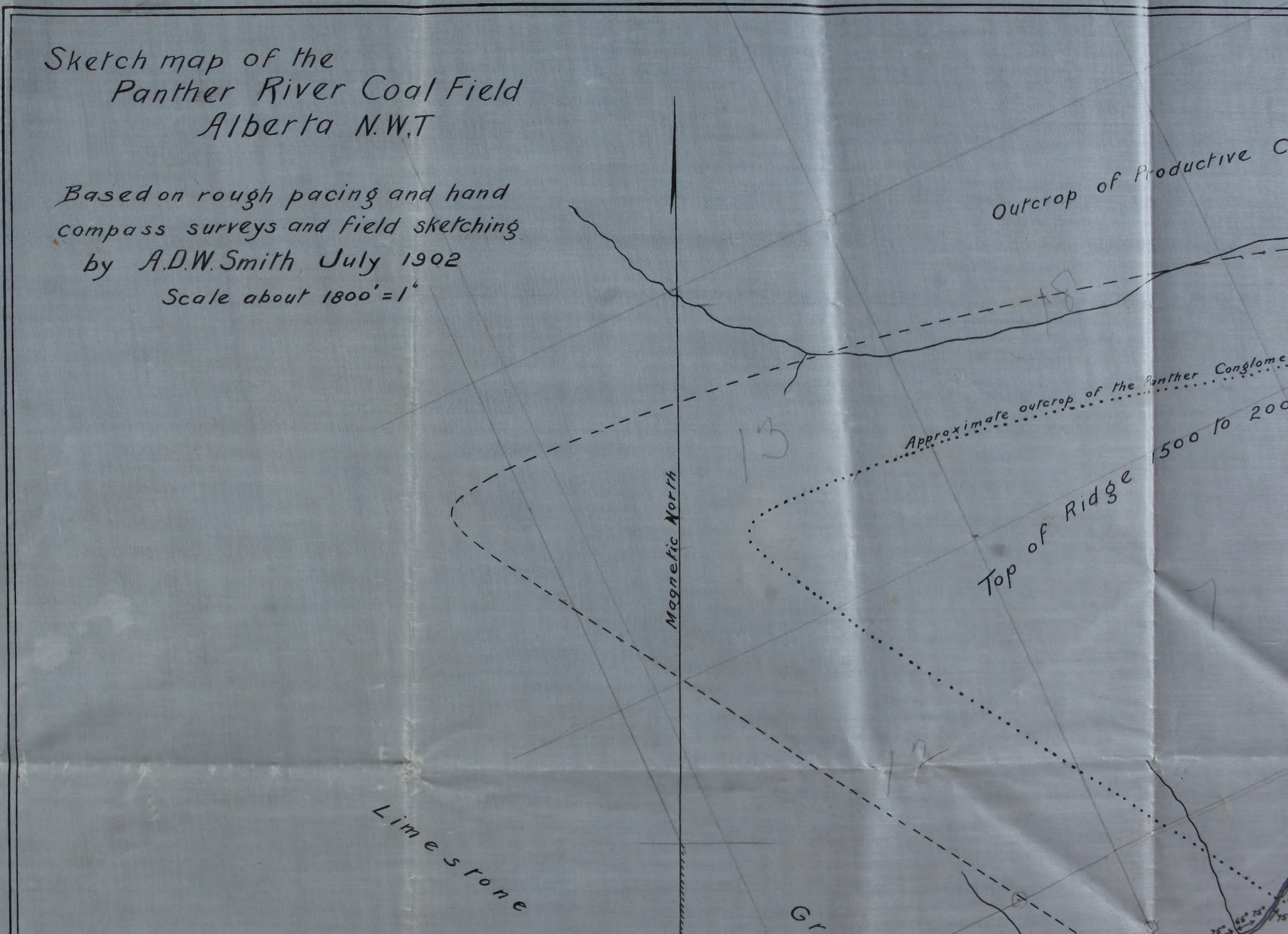
Columnar Section
exposed on Panther River

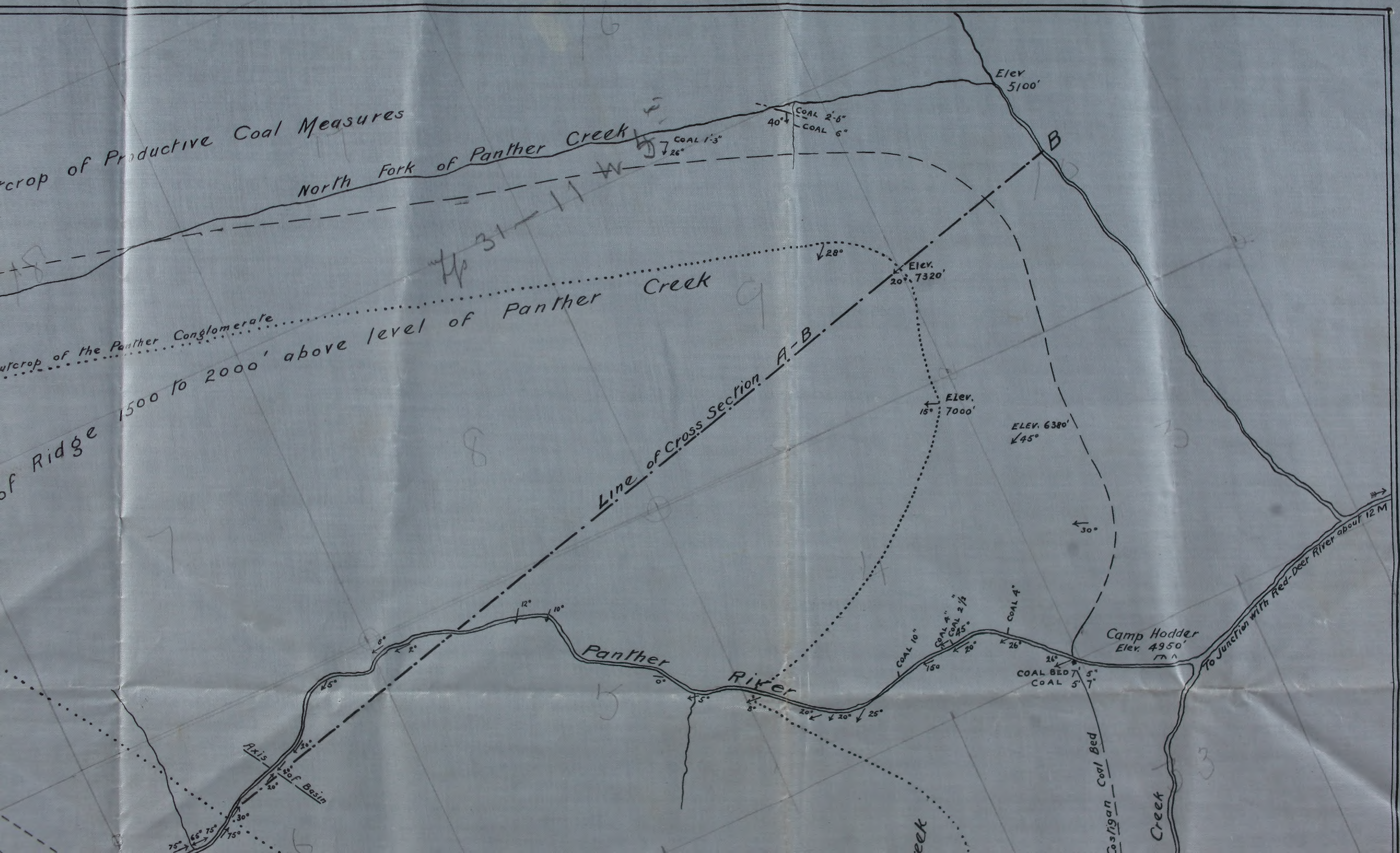


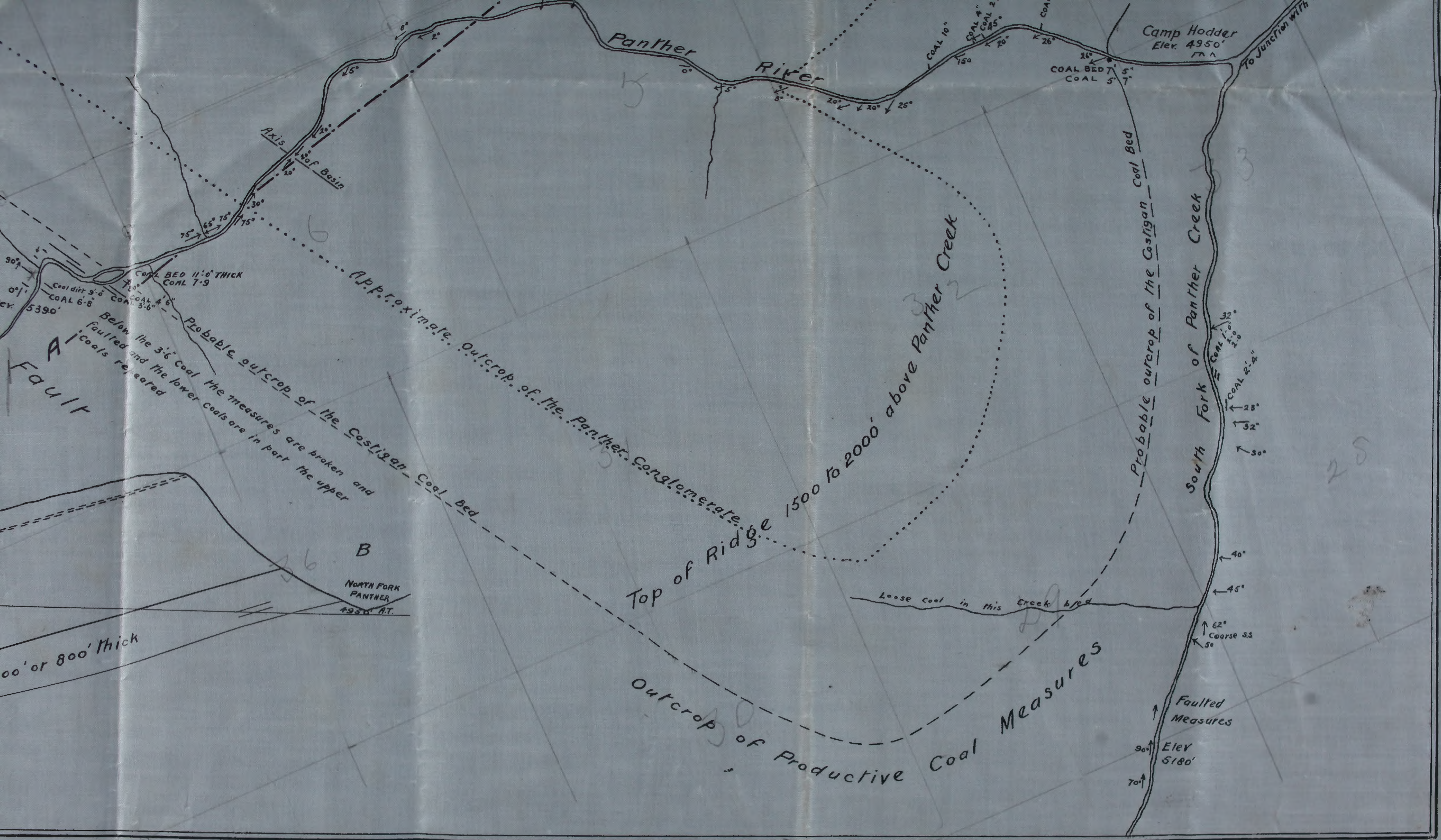
Sketch map of the Panther River Coal Field Alberta N.W.T

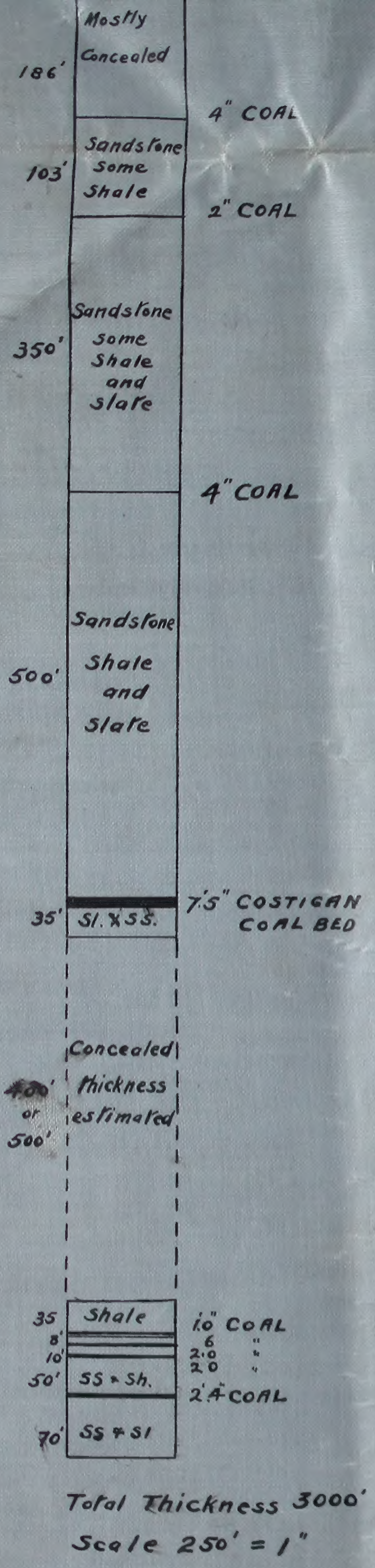
Based on rough pacing and hand compass surveys and field sketching by A.D.W. Smith July 1902

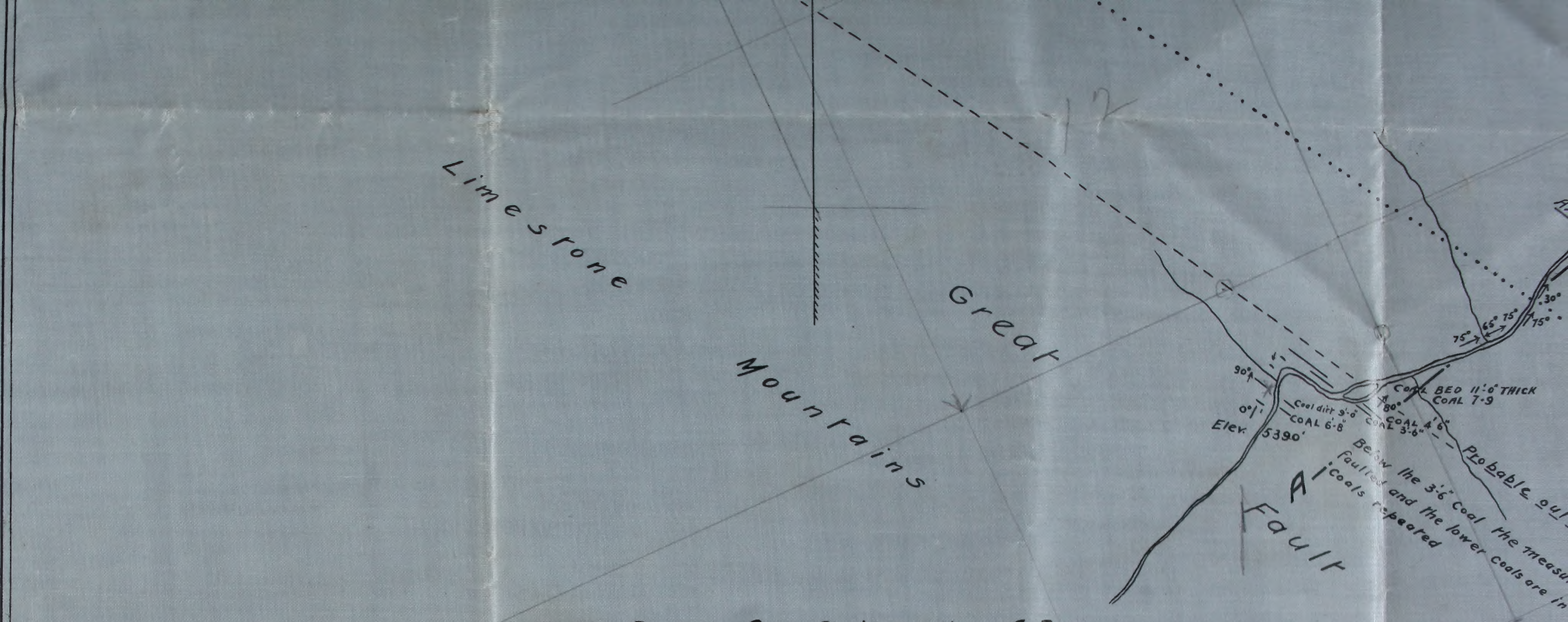
Scale about 1800' = 1"




…tcrop of Productive Coal Measures
North Fork of Panther Creek
COAL 1'-3"
26°
40°
COAL 2'-6"
COAL 6"
Elev
5100'
B
T. 31 – 11 W
…utcrop of the Panther Conglomerate
28°
Elev.
20°
7320'
…f Ridge 1500 to 2000' above level of Panther Creek
Line of Cross Section A-B
Elev.
15°
7000'
ELEV. 6380'
45°
30°
12°
10°
8°
2°
5°
0°
Panther River
5°
8°
20°
20°
25°
COAL 10"
150
COAL 4"
COAL 2½
45°
20°
COAL 4"
26°
26°
COAL BED 7' 5"
COAL 5' 7"
Camp Hodder
Elev. 4950'
To Junction with Red-Deer River about 12 M
Axis of Basin
20°
20°
20°
75°
65°
75°
75°
30°
Casligan Coal Bed
Creek
…eek
16
17
9
8
7
15
10
4
5
6
3

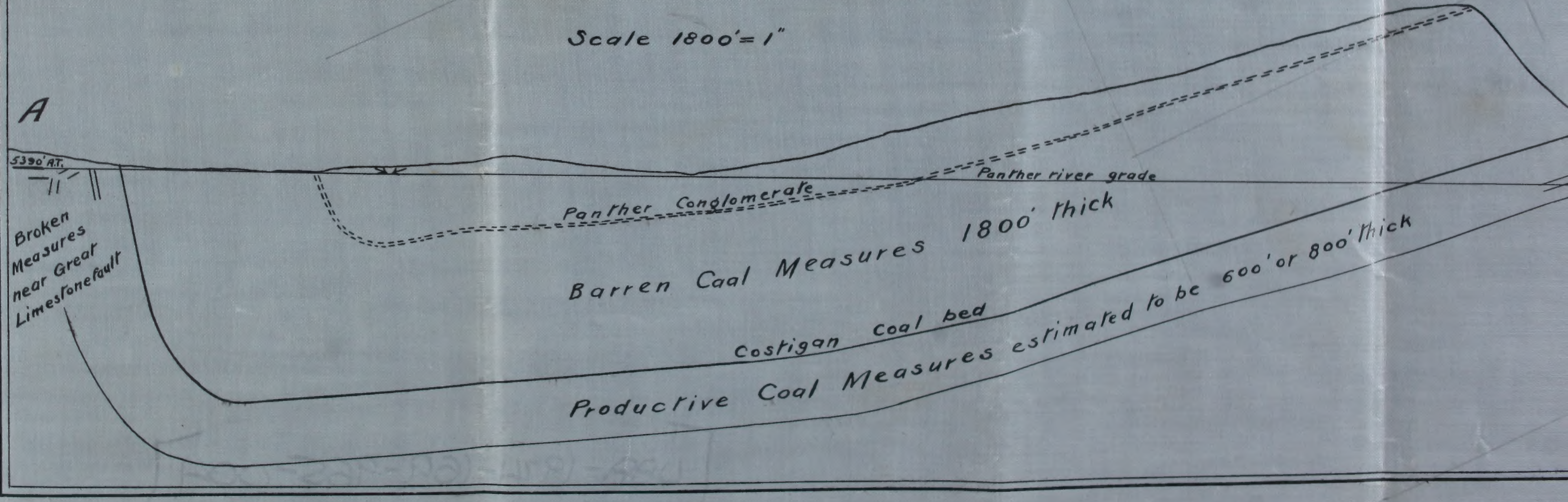

Panther River
Camp Hodder
Elev. 4950'
To Junction with
COAL 10"
COAL 4"
COAL 2
45°
20°
26°
150
26°
COAL BED 7' 5"
COAL 5' 7"
8°
2°
5°
0°
5°
8°
20°
20°
25°
Axis of Basin
20°
20°
20°
30°
75°
65°
75°
75°
90°
0°
COAL BED 11'-0" THICK
COAL 7-9
Coal dirt 9'-0"
COAL 6-8
COAL 3'-6"
COAL 4'6"
80°
Elev. 5390'
A
Fault
Below the 3'6" Coal the measures are broken and faulted and the lower coals are in part the upper coals repeated
Probable outcrop of the Costigan Coal Bed
Approximate Outcrop of the Panther Conglomerate
Top of Ridge 1500 to 2000' above Panther Creek
Probable outcrop of the Costigan Coal Bed
South Fork of Panther Creek
32°
COAL 1'-0" 2-0 2-0
COAL 2'-4"
28°
32°
30°
40°
45°
62°
Coarse S.S.
50
Loose coal in this Creek bed
Faulted Measures
Elev 5180'
90°
70°
Outcrop of Productive Coal Measures
B
NORTH FORK PANTHER
4950' A.T.
00' or 800' thick





Section across the Panther Coal Basin on line A-B

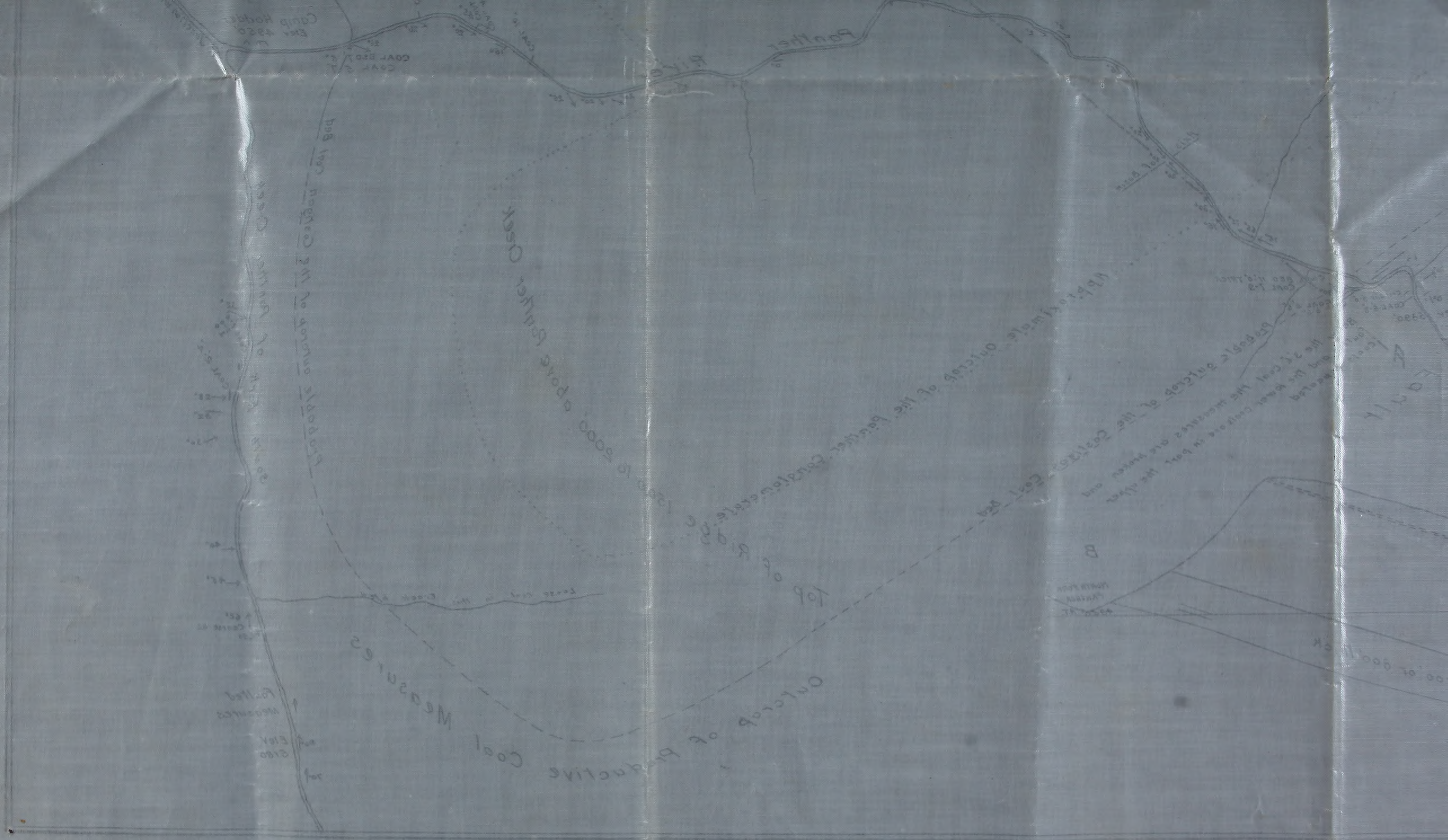
Scale 1800' = 1"



A
5390' AT.
Broken Measures near Great Limestone fault
Panther river grade
Panther Conglomerate
Barren Coal Measures 1800' thick
Costigan Coal bed
Productive Coal Measures estimated to be 600' or 800' thick

Elev 5100'
Coal 2'6"
Coal 1'3"
North Fork of Panther Creek
Outcrop of Productive Coal Measures
Panther Creek
level of Panther Creek
Outcrop of the Panther Conglomerate
500 to 2000' above
B
Line of Cross Section
Elev 7220'
Elev 7000'
Elev 6300'
Camp Hodder
Elev 4950'
Panther
Coal Bed
Creek

[UAA-1974-169-965-004]


Camp Hodder
Elev 4350
Panther
River
Coal
Coal Bed
Probable outcrop of the Coal Bed
Coal Bed
Panther Creek
Elev of the Panther Creek
Faulted Measures
Elev 4280
Approximate outcrop of the Panther Conglomerate
Top of Ridge 1500 to 2000 above Panther Creek
Probable outcrop of the Costigan Coal Bed
Below the 3d Coal the measures are broken and Coals and the lower Coals are in part the upper Coal repeated
A
B
North Fork Panther
Coal
Outcrop of Productive Coal Measures
Fault
Coal